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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/689,463

10/20/2003

Hans Michael Ockenfels

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09/07/2005

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EXAMINER

SHAY, DAVID M

ART UNIT

PAPER NUMBER

3739

DATE MAILED: 09/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/689,463	OCKENFELS, HANS MICHAEL	
	<b>Examiner</b>	<b>Art Unit</b>	
	david shay	3739	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on October 20, 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>October 20, 2003</u> .  | 6) <input type="checkbox"/> Other: _____                                    |

The drawings are objected to because none of the elements in Figure 1 are labeled with indicia indicative of their function and the designations of the axes of Figure 2 are not in English. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Applicant is required to cancel the new matter in the reply to this Office Action.

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 31 and 32 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claim 31 positively recites the skin.  
the claimed invention lacks patentable utility. Blarg

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the disclosed invention is inoperative and therefore lacks utility. blarg

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 8-10 and 34-47 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 8-10 are indefinite because they recite only structure and do not positively recite method steps. Claims 34-37, 46, and 47 are indefinite as they fail to further limit the claim from which they depend, as they recite no structure and therefore what further limitation is intended to be implied is unclear. Claim 38 is indefinite as it fails to further limit the claim from which it depends, as it recites structure which is inherent in claim 25 in order for that claim to describe a device which functions as claimed and therefore what further limitation is intended to be implied is unclear.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 25, 26, 28, 34-38, 40, 46, and 47 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Chernoff.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7, 11-19, 23, 24, 29, 30, 35-38, 40-42, and 47 are rejected under 35 U.S.C.

103(a) as being unpatentable over Chernoff in combination with Sator et al. Chernoff teaches a device and method for treating the skin wherein the skin depth is determined at each point of treatment and the treatment laser power is adjusted for the depth at each point. Sator et al teach that PUVA treated skin experiences accelerated thinning which is correlated with the PUVA compared to the skin of people who have not undergone PUVA. It would have been obvious to the artisan or ordinary skill to measure the skin thickness of patients who are undergoing PUVA, as taught by Chernoff in the device and method of Sato et al, since this would enable the dosages to be minimized for each patient and thus mitigate the skin thinning due to PUVA, thus producing a device and method such as claimed.

Claims 8-10, 20-22, 27, 31-33, 39, and 43-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chernoff in combination with Sator et al as applied to claims 1-7, 11-19, 23, 24, 29, 30, 35-38, 40-42, and 47 above, and further in combination with Mueller et al. Mueller et al teach the incorporation of a laser and ultrasound applicator in a single instrument. It would have been obvious to the artisan of ordinary skill to provide the laser and ultrasound applicator in the device and method of Chernoff in combination with Sator et al, since the separated ultrasound and laser applicators and combined applicators are equivalents, as shown by Mueller et al, or, alternatively, to employ the method and device of Chernoff in combination with Sator et al in the method and device of Mueller et al, since Mueller et al discuss no therapy of no

particular condition and in either case, to employ a mirror arm to conduct the radiation, since this is equivalent to the use of fiber optics and can more efficiently transmit ultraviolet light, official notice of which is hereby taken, thus producing a device such as claimed.

Claims 15, 34, and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chernoff in combination with Sator et al as applied to claims 1-7, 11-19, 23, 24, 29, 30, 35-38, 40-42, and 47 above, and further in combination with Bonis et al. Bonis et al teach increasing the dosage of UV light in psoriasis plaques that do not respond to a base level of therapy, and continuing the increase until a response is seen. It would have been obvious to the artisan of ordinary skill to employ the dosage increase technique of Bonis et al the the combined device and method of Chernoff in combination with Sator et al, since this yields better results, as taught by Bonis et al, thus producing a method and device such as claimed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to david shay whose telephone number is (571) 272-4773. The examiner can normally be reached on Tuesday through Thursday from 6:30 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Linda Dvorak, can be reached on Monday, Tuesday, Thursday, and Friday. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "David M. Shay", written in a cursive style.

DAVID M. SHAY  
PRIMARY EXAMINER  
GROUP 330